



DIRECTORATE OF PUBLIC WORKS

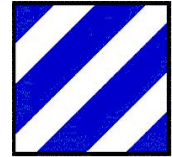


BRIDGE INSPECTION AND REPAIR PROGRAM

FORT STEWART / HUNTER AAF, GEORGIA



DIRECTORATE OF PUBLIC WORKS



BRIDGE INVENTORY

FORT STEWART

55 WOOD BRIDGES - 4860 Total Feet

4 CONCRETE BRIDGES - 185 Total Feet

HUNTER ARMY AIRFIELD

3 CONCRETE BRIDGES - 265 Total Feet



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REGULAR INSPECTION COST (KCI Tech)

1999	No Inspection	
2000	\$66,200	27 BRIDGES
2001	\$72,400	33 BRIDGES
2002	\$65,000	27 BRIDGES
2003	\$72,000	33 BRIDGES
2003	\$ 5,000	2 NEW BRIDGES (Inspection will be done during Scour Inspections)

PLUS ADDITIONAL COST OF \$4,000 EACH YEAR FOR COE ADMIN COST



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2003 SCOUR/UNDERWATER INSPECTION COST

\$28,100	18 BRIDGES UNDERWATER
\$27,500	11 BRIDGES PHASE II SCOUR
\$55,600	TOTAL COST

PLUS ADDITIONAL \$2,000 FOR COE ADMIN COST



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MAINTENANCE AND REPAIR COST ON BRIDGES (IDIQ CONTRACT WITH ATLANTIC DIVING)

1999	\$ 1,019,680
2000	\$ 26,364
2001	\$ 433,842
2002	\$ 29,660
2003	\$ 642,232
TOTAL	\$ 2,151,778



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Statement of Work Bridge Inspection and Report US Army Installation, Fort Stewart, Georgia

5 December 2002

1.0 Project Description

- 1.1 Background. The Directorate of Public Works (DPW) requires a re-inspection of 33 bridges located on or in the vicinity of Fort Stewart. All of these bridges have been inspected within the last two years and have been inventoried and entered into CEBIS.
- 1.2 Scope. Contractor shall provide labor, equipment, and materials to inspect, review previous reports and prepare new reports for the 33 bridges (see Appendix 1 for List and Location of Bridges). Load rating calculations will not be required for this project. Inspection of existing bridges shall be completed under the direct supervision of a registered Professional Engineer. Inspection personnel shall meet the requirements specified in the "National Bridge Standards" (Current Edition).

3.0 Project Schedule

Action

Date Required

Commence Inspection

NLT 30 Days after Receipt of Order and all inspections should be completed by the end of March 2003.

Letter Report

10 Days after Completion of Field Work

Draft Report

60 Days after Completion of Field Work

Final Report

14 Days after Receipt of Government Comments

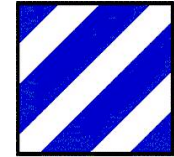
Click Icon for
Full text of
SOW



2003 FT STEWART
SOW



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*Statement of Work
Bridge Inspection and Report
US Army Installation, Fort Stewart, Georgia*

3 September 2003

1.0 Project Description

- 1.2 Scope. Contractor shall provide labor, equipment, and materials to perform the underwater inspection, collect required data for the scour assessment, review previous reports, perform the hydrologic/hydraulic analysis, and prepare underwater inspection and/or Phase II Scour reports for the 19 bridges (see Appendix 1 for List and Location of Bridges). Underwater inspection of existing bridges shall be completed under the direct supervision of a registered Professional Engineer. Inspection personnel shall meet the requirements specified in the "National Bridge Standards" (Current Edition).

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2003 FS UWI Scour
SOW



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BID SCHEDULE FOR FT. STEWART

ITEM	DESCRIPTION	QUANTITY	U/I	UNIT PRICE	AMOUNT
1AA	Demolition of Decking, Stringers and Curbing	400	LF	\$53	\$21,200
1AB	Demolition of Five Pile Bent	25	EA	\$1,000	\$25,000
1AC	Demolition of Seven Pile Bent	25	EA	\$1,500	\$37,500
1AD	Demolition of Abutement Wingwall	10	EA	\$1,000	\$10,000
1AE	Demolition of Bulkhead	10	EA	\$1,300	\$13,000
1AF	Construct Two-Layers of Decking, Curb and Stringers (14 foot Span)	25	EA	\$11,600	\$290,000
1AG	Construct Five Pile Bent and Cap, 20' Pile	5	EA	\$5,500	\$27,500
1AH	Construct Five Pile Bent and Cap, 30' Pile	5	EA	\$5,800	\$29,000
1AI	Construct Five Pile Bent and Cap, 40' Pile	20	EA	\$6,200	\$124,000
1AJ	Construct Five Pile Bent and Cap, 50' Pile	20	EA	\$6,900	\$138,000
1AK	Construct Five Pile Bent and Cap, 60' Pile	6	EA	\$7,400	\$44,400
1AL	Construct Bulkhead	10	EA	\$3,400	\$34,000
1AM	Construct Abutement Wall Type 1	10	EA	\$5,700	\$57,000
1AN	Construct Abutement Wall Type 2	10	EA	\$6,200	\$62,000
1AO	Construct Concrete Bridge Approach	8	EA	\$3,400	\$27,200
1AP	Construct Longitudinal Bracing Under 12"	10	EA	\$600	\$6,000
1AQ	Construct Longitudinal Bracing Over 12"	4	EA	\$1,600	\$6,400
1AR	Construct Classification Sign	10	EA	\$700	\$7,000
1AS	Remove Replace Decking, Treadway and Curb	50	LF	\$530	\$26,500
1AT	Remove and Replace Cap	5	EA	\$1,900	\$9,500
1AU	Remove and Replace Stringer (4"x16")	10	EA	\$800	\$8,000
1AV	Remove and Replace Pile 20 Foot Length	5	EA	\$1,000	\$5,000
1AW	Remove and Replace Pile 30 Foot Length	5	EA	\$1,100	\$5,500
1AX	Remove and Replace Pile 40 Foot Length	5	EA	\$1,200	\$6,000



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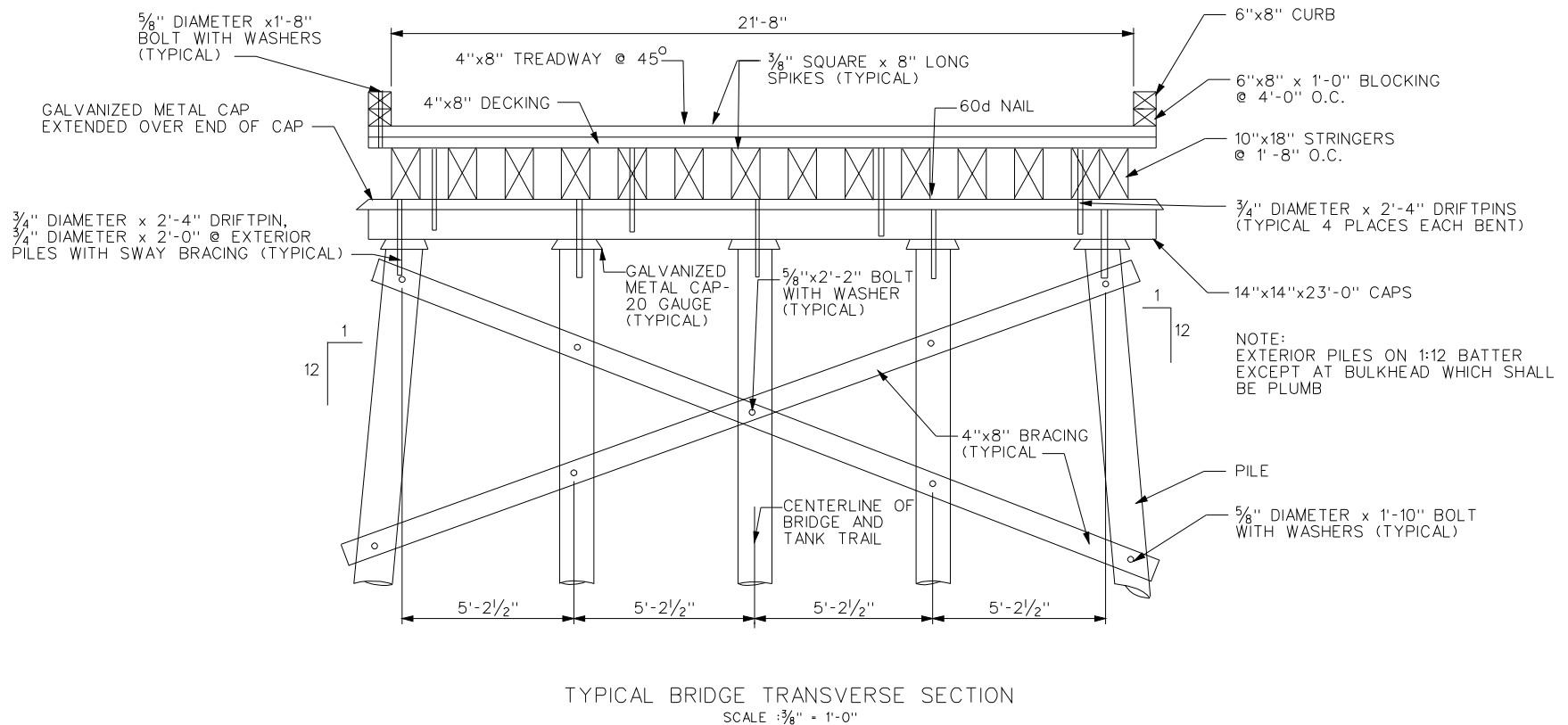
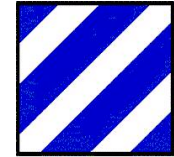


BID SCHEDULE FOR FT. STEWART (CONTINUED)

1AY	Remove and Replace Pile 50 Foot Length	5	EA	\$1,300	\$6,500
1AZ	Remove and Replace Pile 60 Foot Length	5	EA	\$1,400	\$7,000
1BA	Remove and Replace Wingwall/Bulkhead Boards	100	LF	\$25	\$2,500
1BB	Remove and Replace Curb and Blocking	50	LF	\$28	\$1,400
1BC	Inspect and Tighten Bolts (Per Span)	330	EA	\$170	\$56,100
1BD	Remove Dirt from Bridge Decking	4,620	LF	\$36	\$166,320
1BE	Change Classification Number	10	EA	\$6	\$60
1BF	Seal Concrete Bridge Joints	200	LF	\$3	\$600
1BG	Shim Bridge Pile/Cap	20	EA	\$31	\$620
1BH	Band Pile	5	EA	\$140	\$700
1BI	Install Rip Rap	100	Ton	\$33	\$3,300
1BJ	Remove and Replace Deck Boards	100	LF	\$30	\$3,000
1BK	Replace Nuts and Washers	50	EA	\$22	\$1,100
1BL	Replace Bolt Assembly	50	EA	\$28	\$1,400
1BM	Clear 10' x 50' (Each Side of Bridge)	20	EA	\$300	\$6,000
1BN	Select Clearing	1000	SY	\$6	\$6,000
1BO	Provide and Install Sign	50	SF	\$25	\$1,250
1BP	Excavation	2000	CY	\$10	\$20,000
1BQ	Backfill and Compaction	2000	CY	\$7	\$14,000
1BR	Finish Grade	500	SY	\$3	\$1,500
1BS	Grassing	100	SY	\$1	\$100
1BT	Install Cross Bracing (Pair)	5	EA	\$500	\$2,500
	Sub-Total				\$1,321,650
1BU	Bond (1.4%)	1	LOT	\$18,503	\$18,503
	Total				\$1,340,153



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EXISTING BRIDGE CONSTRUCTION



TYPICAL NEW CONSTRUCTION



TYPICAL BRIDGE CONSTRUCTION



TYPICAL BRIDGE CONSTRUCTION



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DECK CONSTRUCTION



TYPICAL SIDE ELEVATION



COMPLETED BRIDGE CONSTRUCTION



APPROACH PHOTO NEW BRIDGE